

PROGRAM: Construction Technologies

**PROGRAM
CIP CODE:** 46.0400

DESCRIPTION: The Construction Technologies program is designed to prepare students for careers in the Construction Industries. The occupational standards for both options are aligned with the National Center for Construction Education and Research (NCCER) standards. Construction Technologies I include units of instruction in electrical, masonry, concrete finishing and plumbing. Construction Technologies II includes units of instruction in floor systems, wall and ceiling framing, roof framing, site layout, exterior finish and roofing applications.

RECOMMENDED PROGRAM SEQUENCE OF COURSES:

**Career
Preparation
Grades
11-12** The following describes the recommended courses developed from industry-validated skills necessary for initial employment or continued related education.

46.0400.10 Construction Technologies Core Curriculum: This course includes units of instruction in career planning, oral and written communications, understanding financial operations, teamwork, human relations, basic safety, construction math, hand tools, power tools, reading blueprints, basic rigging and exploring careers in construction

-and-

46.0400.20 Construction Technologies I: This course prepares the individual to apply basic technical knowledge and skills in residential construction.

-and-

46.0400.25 Construction Technologies II: This course prepares the individual to apply advanced technical knowledge and skills in residential construction.

And program may elect to add:

46.0400.75 Construction Technologies - Internship: This course provides CTE students an opportunity to engage in learning through participation in a structured work experience that can either be paid

or unpaid and does not necessarily require classroom instruction that involves the application of previously developed Construction Technologies knowledge and skills.

-and-

46.0400.80 Construction Technologies - Cooperative Education: This course utilizes a cooperative education methodology to combine school-based and supervised work-based learning experiences, directly related to the standards identified for the Construction Technologies program.

TEACHER CERTIFICATION REQUIREMENTS FOR THE CONSTRUCTION TECHNOLOGIES PROGRAM

CAREER PREPARATION: The instructor must be CTE certified according to the following table

Construction Technologies	CERTIFICATES	
	Types: BVT, SVT Approved Areas: ITE, VTT	Types: PVI, SVI, PCTI, SCTI No Approvals Necessary

Note:

- Construction Technologies, 46.0400.70 may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator 46.0400.75 is not required to have a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator 46.0400.80 is required to have a Cooperative Education Endorsement (CEN).

CERTIFICATE ABBREVIATIONS FOR THE CONSTRUCTION TECHNOLOGIES PROGRAM

Certificate Types		Approved Areas List	
BVT	Basic Vocational Education	ITE	Industrial Technology Education
PCTI	Provisional Career and Technical Education Industrial Technology	VTT	Vocational Trade and Technical Education
PVI	Provisional Vocational Industrial Technology		
SCTI	Standard Career and Technical Education Industrial Technology		
SVI	Standard Vocational Industrial Technology		
SVT	Standard Vocational Education		